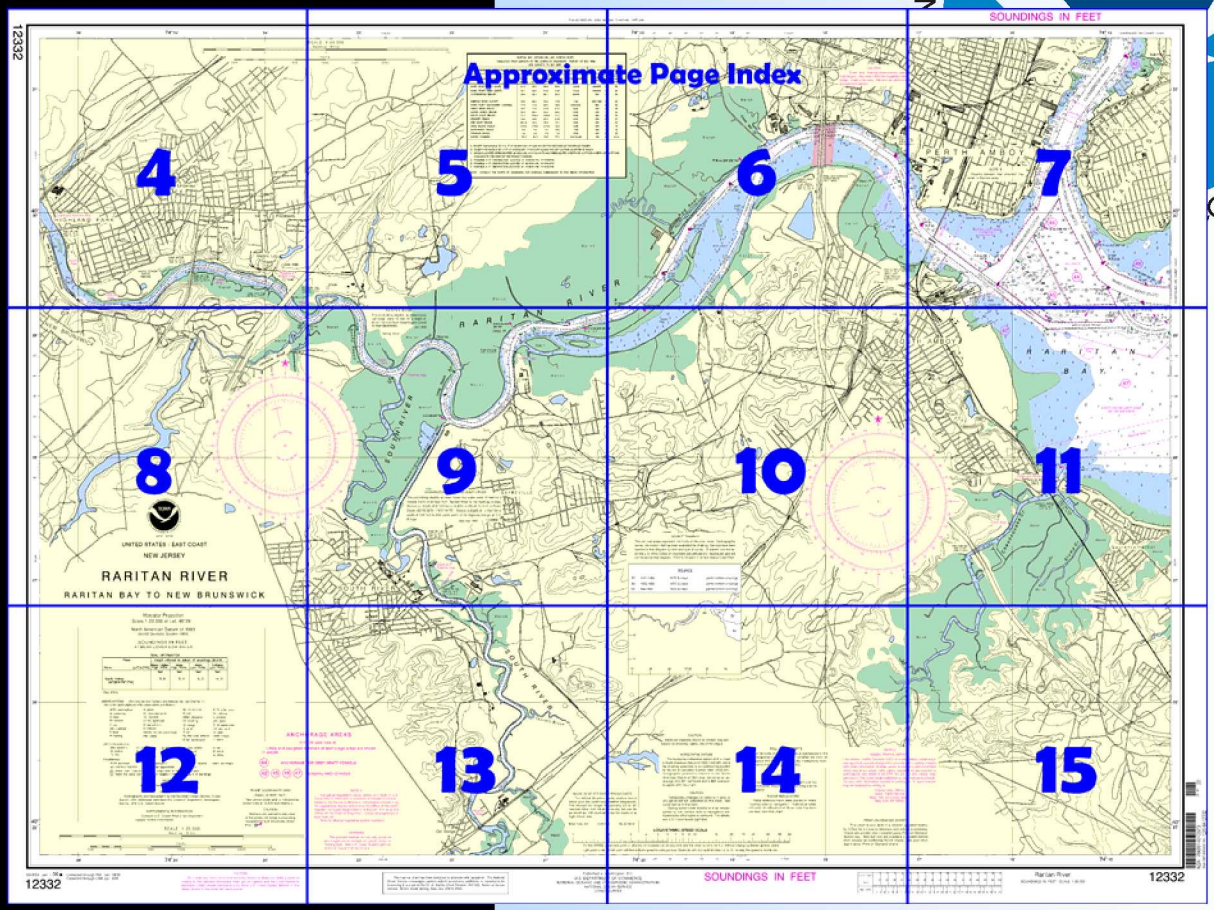
BookletChart™

Raritan River – Raritan Bay to New Brunswick

(NOAA Chart 12332)

A reduced scale NOAA nautical chart for small boaters. When possible, use the full size NOAA chart for navigation.

- ☑ *Complete, reduced scale nautical chart*
- ☑ *Print at home for free*
- ☑ *Convenient size*
- ☑ *Up to date with all Notices to Mariners*
- ☑ *United States Coast Pilot excerpts*
- ☑ *Compiled by NOAA, the nation's chartmaker.*



NOAA NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION ... COMMERCE

Home Edition (not for sale)

Published by the
National Oceanic and Atmospheric Administration
National Ocean Service
Office of Coast Survey
www.NauticalCharts.NOAA.gov
301-713-2770

What are Nautical Charts?

Nautical charts are a fundamental tool of marine navigation. They show water depths, obstructions, buoys, other aids to navigation, and much more. The information is shown in a way that promotes safe and efficient navigation. Chart carriage is mandatory on the commercial ships that carry America's commerce. They are also used on every Navy and Coast Guard ship, fishing and passenger vessels, and are widely carried by recreational boaters.

What is a BookletChart™?

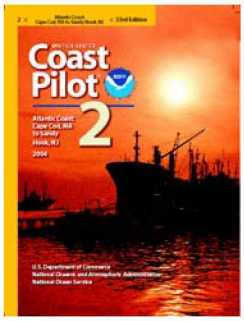
This BookletChart is made to help recreational boaters locate themselves on the water. It has been reduced in scale for convenience, but otherwise contains all the information of the full-scale nautical chart. The bar scales have also been reduced, and are accurate when used to measure distances in this BookletChart. See the Note at the bottom of page 5 for the reduction in scale applied to this chart.

Whenever possible, use the official, full scale NOAA nautical chart for navigation. Nautical chart sales agents are listed on the Internet at http://www.NauticalCharts.NOAA.gov.

This BookletChart does NOT fulfill chart carriage requirements for regulated commercial vessels under Titles 33 and 44 of the Code of Federal Regulations.

Notice to Mariners Correction Status

This BookletChart has been updated for chart corrections published in the U.S. Coast Guard Local Notice to Mariners, the National Geospatial Intelligence Agency Weekly Notice to Mariners, and, where applicable, the Canadian Coast Guard Notice to Mariners. Additional chart corrections have been made by NOAA in advance of their publication in a Notice to Mariners. The last Notices to Mariners applied to this chart are listed in the Note at the bottom of page 7. Coast Pilot excerpts are not being corrected.



[Coast Pilot 2, Chapter 11]

(271) **Raritan River** empties into the western end of Raritan Bay between Perth Amboy and South Amboy. The channel from South Amboy to **New Brunswick** is 11 miles long and very crooked, but is well marked with navigational aids. Waterborne commerce on the river is in coal, ore, and petroleum products.

(272) Vessels enter Raritan River from the east by way of Great Beds Reach and from the north by way of Arthur Kill via Raritan River Cutoff Channel. A Federal project provides for a 20-foot channel in Raritan River Cutoff, a 25-foot channel from Great Beds Reach in Raritan Bay to the head of Red Root Reach about 1.9 miles above Garden State Parkway bridge, and thence a 15-foot channel to the junction with Washington Canal. Above Washington Canal, the controlling depth in Raritan River was about 9 feet at midchannel to New Brunswick in 1962.

(273) A dredged channel in Titanium Reach and South Channel branches south from Raritan River about 0.6 mile above Garden State Parkway bridge. The Federal project depths are 25 feet in Titanium Reach and 15 to 10 feet in South Channel to Crossman Dock. (See Notice to Mariners and latest editions of the charts for controlling depths.) In 1991, the channels were not being maintained near project depth and the project above Crossman Dock was not being maintained.

(274) A dredged channel in **Washington Canal** branches south from Raritan River about 4.3 miles above Garden State Parkway bridge and connects with **South River**. A dredged channel leads south for about 3.4 miles in South River. In 1961, the midchannel controlling depths were 12 feet in Washington Canal, thence 10 feet in South River to the first highway bridge, thence 8 feet for about 1 mile, thence ½ foot to a point 800 yards north of the highway bridge at **Old Bridge**.

(275) A sunken drydock, marked by a light, is on the east side of the river, 1.5 miles above the Garden State Parkway fixed bridge. The wreck extends 60 feet into the channel and is visible at all stages of the tide.

(276) Several drawbridges and fixed bridges cross Raritan River and South River. The distances above the mouth of the Raritan River and clearances follow: ConRail bridge with center-pier swing span, 0.4 mile, 8 feet, overhead power cable at the bridge has a clearance of 140 feet; Victory Highway Bridge with center-pier swing span, 1.4 miles, 28 feet. The bridgetender monitors VHF-FM channels 16 and 13, call sign WXY-2676. In 2000, a bridge was under construction to replace the existing swing bridge with a fixed span and a design clearance of 106 feet. Mariners are advised to use the south span only; Thomas Edison Memorial Bridge with high-level fixed span, 1.9 miles, 135 feet. In 1999, a second span was under construction adjacent to and just west of the existing Thomas Edison Bridge. The new bridge will have a fixed span with a design clearance of 110 feet. Garden State Parkway with fixed span, 2 miles, 135 feet; overhead power cable near Crab Island, 5.2 miles, 128 feet; New Jersey Turnpike with fixed span, 8.7 miles, 45 feet; overhead power cables, 8.9 miles, 114 feet; and U.S. Highway No. 1 Bridge with two fixed spans, 9.6 miles, 90 feet. The highway bridge over South River at the town of South River has a fixed span with a clearance of 25 feet. The railroad bridge, 0.4 mile upstream, has a swing span with a clearance of 4 feet. In January 1987, the fender system of the south draw of the ConRail swing bridge sustained significant damage and may be protruding into the channel. Mariners are advised to exercise caution and navigate the north draw only. Mariners are requested to avoid bridge openings of this bridge during peak commuter hours of 0700 to 0815 and 1700 to 1815, Monday through Friday. The bridgetender monitors VHF-FM channel 13; call sign KT-4204.

(277) The mean range of tide is about 5 feet at South Amboy, 5.8 feet at New Brunswick, and 5.5 feet at the highway bridge on South River at the town of South River. (For predictions, consult the Tide Tables.) The tidal current has a velocity of about 1.5 knots at the Victory Highway Bridge at Perth Amboy.

(278) **South Amboy** is a city on the south side of the entrance to Raritan River. Waterborne commerce at the port is in fuel oils, coal, sand, and gravel. Depths alongside the wharves and piers range from about 6 to 30 feet. Water, provisions, and marine supplies can be obtained here, and berths with electricity, water, ice, and winter dry storage are available at a boat club.

(279) **Sayreville** is 6 miles above South Amboy on the south bank of the Raritan River. Most of the wharves are privately owned.

(280) **South River** is a town on the west side of South River 7.5 miles above South Amboy. A marina about 200 yards north of the highway bridge at Old Bridge provides berths, water, marine supplies, a 2-ton lift, and engine repairs. In May 1981, a reported depth of about 1 foot could be carried to the marina.

(281) The **Delaware and Raritan Canal** closed to navigation since 1933, had its entrance to the Raritan River at New Brunswick.

Table of Selected Chart Notes

HEIGHTS

Heights in feet above Mean High Water.

Corrected through NM Jan. 14/06
Corrected through LNM Jan. 3/06

PLANE COORDINATE GRID

(based on NAD 1927)

New Jersey State Grid is indicated by dotted ticks at 10,000 foot intervals.

CAUTION

Mariners are warned to stay clear of the protective riprap surrounding navigational light structures shown thus:

CAUTION

Fixed and floating obstructions, some submerged, may exist within the magenta tinted bridge construction area. Mariners are advised to proceed with caution.

SUPPLEMENTAL INFORMATION

Consult U.S. Coast Pilot 2 for important supplemental information.

HORIZONTAL DATUM

The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83), which for charting purposes is considered equivalent to the World Geodetic System 1984 (WGS 84). Geographic positions referred to the North American Datum of 1927 must be corrected an average of 0.381" northward and 1.469" eastward to agree with this chart.

NOAA WEATHER RADIO BROADCASTS

The NOAA Weather Radio station listed below provides continuous weather broadcasts. The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.

New York, NY	KWO-35	162.55 MHz

Mercator Projection
Scale 1:20,000 at Lat. 40°28'

North American Datum of 1983
(World Geodetic System 1984)

SOUNDINGS IN FEET
AT MEAN LOWER LOW WATER

AIDS TO NAVIGATION

Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation.

RADAR REFLECTORS

Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these aids has been omitted from this chart.

CAUTION

Improved channels shown by broken lines are subject to shoaling, particularly at the edges.

CAUTION

Temporary changes or defects in aids to navigation are not indicated on this chart. See Local Notice to Mariners.

During some winter months or when endangered by ice, certain aids to navigation are replaced by other types or removed. For details see U.S. Coast Guard Light List.

POLLUTION REPORTS

Report all spills of oil and hazardous substances to the National Response Center via 1-800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).

WARNING

The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.

NOTE A

Navigation regulations are published in Chapter 2, U.S. Coast Pilot 2. Additions or revisions to Chapter 2 are published in the Notice to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, 1st Coast Guard District in Boston, MA or at the Office of the District Engineer, Corps of Engineers in New York, NY.

Refer to charted regulation section numbers.

Additional information can be obtained at nauticalcharts.noaa.gov.

NOTE C

VESSEL TRAFFIC SERVICE

The Vessel Traffic Service (VTS) is a mandatory waterways management system designed to provide participating vessels with timely information of other vessel movements and conditions which may affect vessel traffic safety. Vessels that are required to participate, are listed in 33 CFR 161.25, but any vessel may participate. The Coast Guard publishes a users manual to provide the user with information needed to participate. A users manual may be obtained by writing to:

Commanding Officer
Vessel Traffic Service
Bldg. 108, Governors Island
New York, NY 10004

AUTHORITIES

Hydrography and topography by the National Ocean Service, Coast Survey, with additional data from the Corps of Engineers, Geological Survey, and U.S. Coast Guard.

SOURCE DIAGRAM

The outlined areas represent the limits of the most recent hydrographic survey information that has been evaluated for charting. Surveys have been banded in this diagram by date and type of survey. Channels maintained by the U.S. Army Corps of Engineers are periodically resurveyed and are not shown on this diagram. Refer to Chapter 1, United States Coast Pilot.

ANCHORAGE AREAS

110.155 (see note A)

Limits and assigned numbers of anchorage areas are shown in purple.

(44) ANCHORAGE FOR DEEP-DRAFT VESSELS

(42) (45) (46) (47) GENERAL ANCHORAGES

CAUTION

This chart has been corrected from the Notice to Mariners (NM) published weekly by the National Geospatial-Intelligence Agency and the Local Notice to Mariners (LNM) issued periodically by each U.S. Coast Guard district to the dates shown in the lower left hand corner.

This nautical chart has been designed to promote safe navigation. The National Ocean Service encourages users to submit corrections, additions, or comments for improving this chart to the Chief, Marine Chart Division (N/CS2), National Ocean Service, NOAA, Silver Spring, Maryland 20910-3282.

TIDAL INFORMATION

Place Name (LAT/LONG)	Height referred to datum of soundings (MLLW) Mean Higher High Water	Mean High Water	Mean Low Water	Extreme Low Water
	feet	feet	feet	feet
South Amboy (40°29'N/74°17'W)	5.6	5.3	0.2	-4.0

(Dec 2005)

ABBREVIATIONS (For complete list of Symbols and Abbreviations, see Chart No. 1.)

Aids to Navigation (lights are white unless otherwise indicated):

AERO aeronautical	G green	Mo morse code	R TR radio tower
Al alternating	IQ interrupted quick	N nun	Rot rotating
B black	Iso isophase	OBSC obscured	s seconds
Bn beacon	LT HO lighthouse	Oc occulting	SEC sector
C can	M nautical mile	Or orange	St M statute miles
DIA diaphone	m minutes	Q quick	VQ very quick
F fixed	MICRO TR microwave tower	R red	W white
Fl flashing	Mkr marker	Ra Ref radar reflector	WHIS whistle
		R Bn radiobeacon	Y yellow

Bottom characteristics:

Blds boulders	Co coral	gy gray	Oys oysters	so soft
bk broken	G gravel	h hard	Rk rock	Sh shells
Cy clay	Grs grass	M mud	S sand	sy sticky

Miscellaneous:

AUTH authorized	Obstn obstruction	PD position doubtful	Subm submerged
ED existence doubtful	PA position approximate	Rep reported	

(21) Wreck, rock, obstruction, or shoal swept clear to the depth indicated.
(2) Rocks that cover and uncover, with heights in feet above datum of soundings.

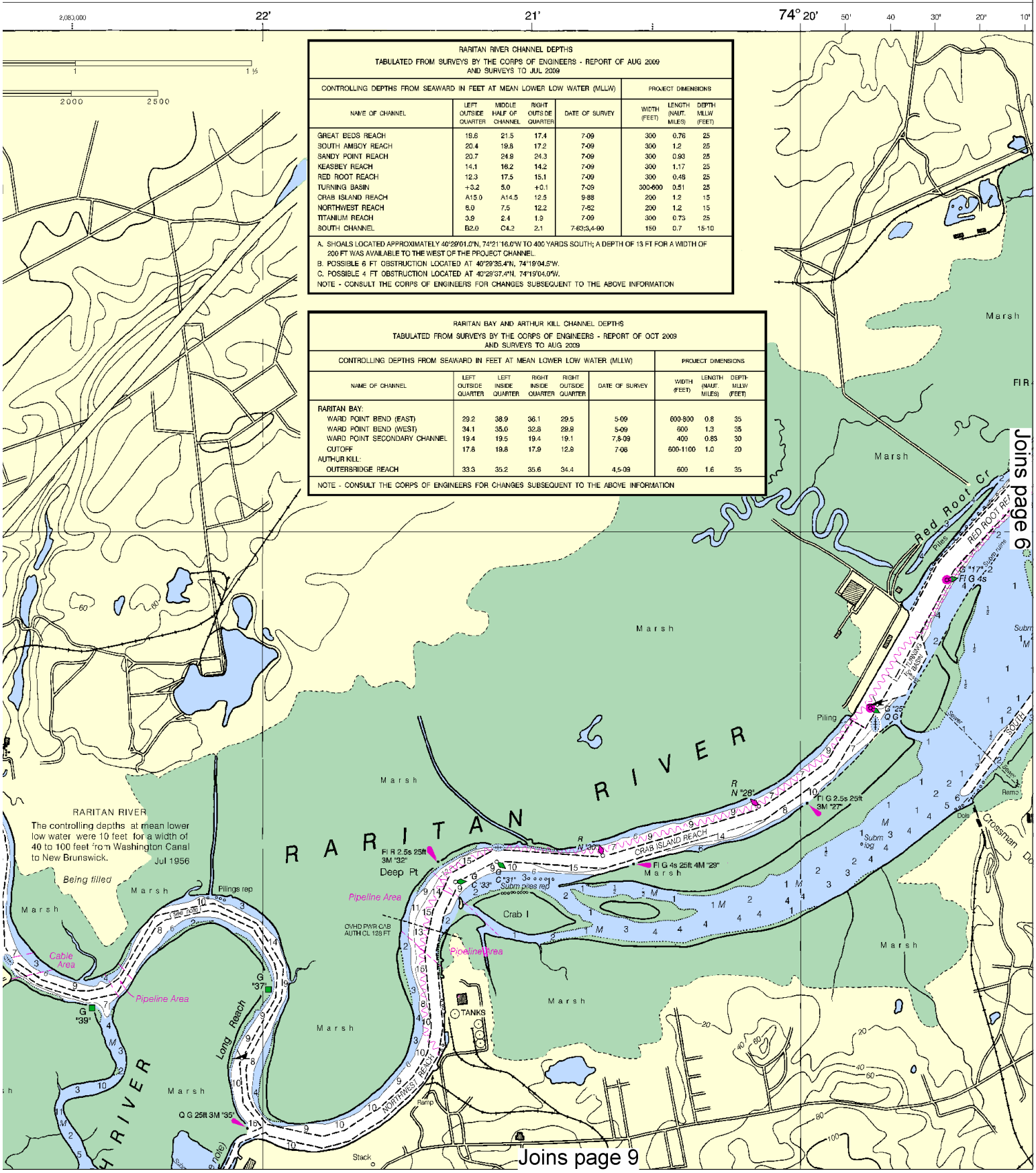
North

Printed at reduced scale. ~~SCALE 1:20,000~~ Nautical Miles See Note on page 5.

0 1 1½

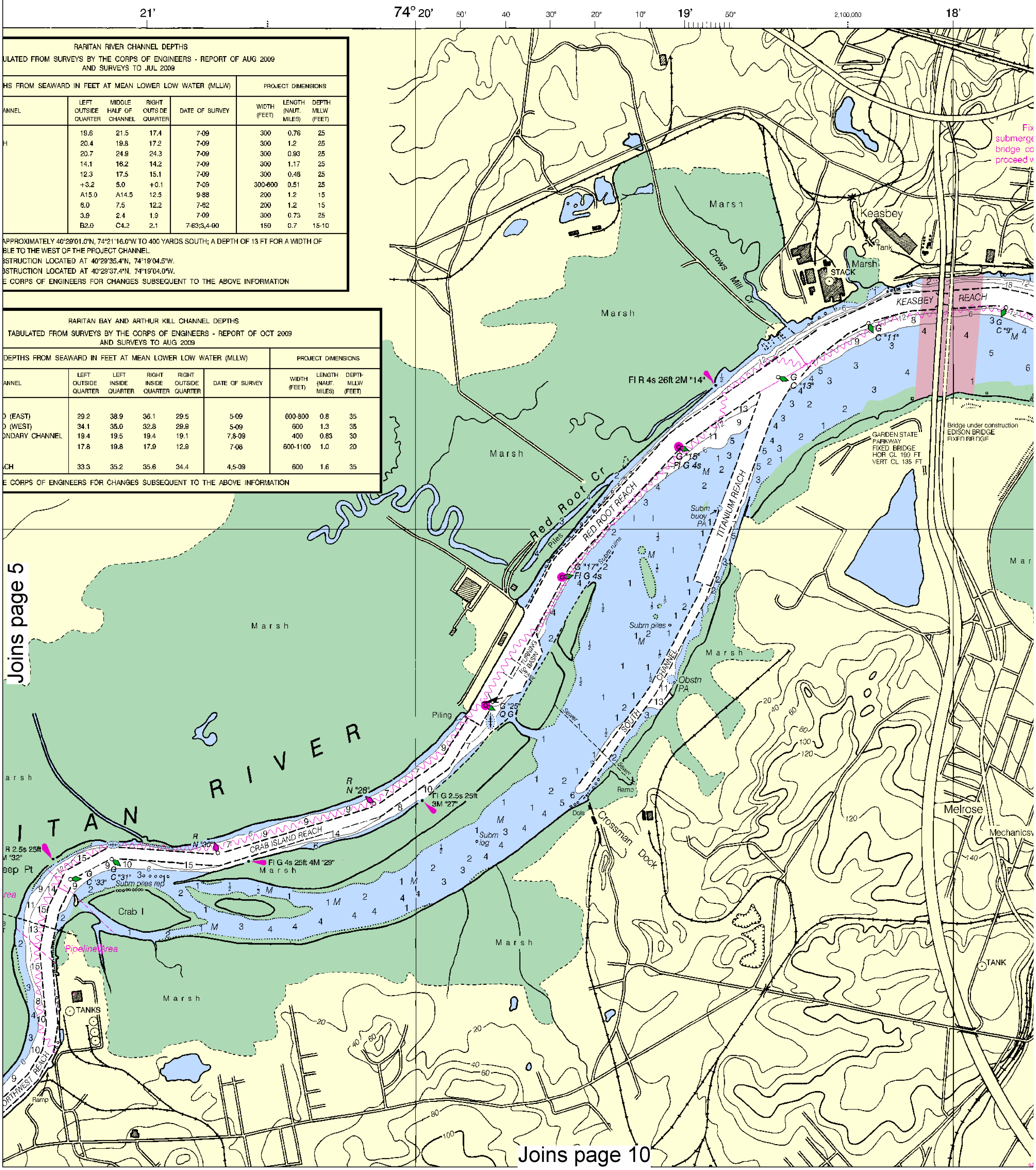
Yards

500 0 500 1000 1500 2000 2500



This BookletChart was reduced to 75% of the original chart scale. The new scale is 1:26667. Barscales have also been reduced and are accurate when used to measure distances in this BookletChart.

Formerly C&GS 375, 1st Ed., May 1890 C-1937-450 KAPP 2240



Joins page 5

Joins page 10

RARITAN RIVER CHANNEL DEPTHS

ULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF AUG 2009 AND SURVEYS TO JUL 2009

HS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
ANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
	19.6	21.5	17.4	7-09	300	0.76	25
H	20.4	19.8	17.2	7-09	300	1.2	25
	20.7	24.9	24.3	7-09	300	0.93	25
	14.1	16.2	14.2	7-09	300	1.17	25
	12.3	17.5	15.1	7-09	300	0.48	25
	+3.2	5.0	+0.1	7-09	300-600	0.51	25
	A15.0	A14.5	12.5	9-88	200	1.2	15
	6.0	7.5	12.2	7-62	200	1.2	15
	3.9	2.4	1.9	7-09	300	0.73	25
	B2.0	C4.2	2.1	7-63;3,4-90	150	0.7	15-10

APPROXIMATELY 40°29'01.0"N, 74°21'16.0"W TO 400 YARDS SOUTH; A DEPTH OF 13 FT FOR A WIDTH OF
BLE TO THE WEST OF THE PROJECT CHANNEL.
BSTRUCTION LOCATED AT 40°29'35.4"N, 74°19'04.5"W.
BSTRUCTION LOCATED AT 40°29'37.4"N, 74°19'04.0"W.
E CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

RARITAN BAY AND ARTHUR KILL CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF OCT 2009 AND SURVEYS TO AUG 2009

DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
ANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
D (EAST)	29.2	38.9	36.1	29.5	5-09	600-800	0.8	35
D (WEST)	34.1	35.0	32.8	29.9	5-09	600	1.3	35
ONDARY CHANNEL	19.4	19.5	19.4	19.1	7,8-09	400	0.83	30
	17.8	19.8	17.9	12.9	7-08	600-1100	1.0	20
ACH	33.3	35.2	35.6	34.4	4,5-09	600	1.6	35

E CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

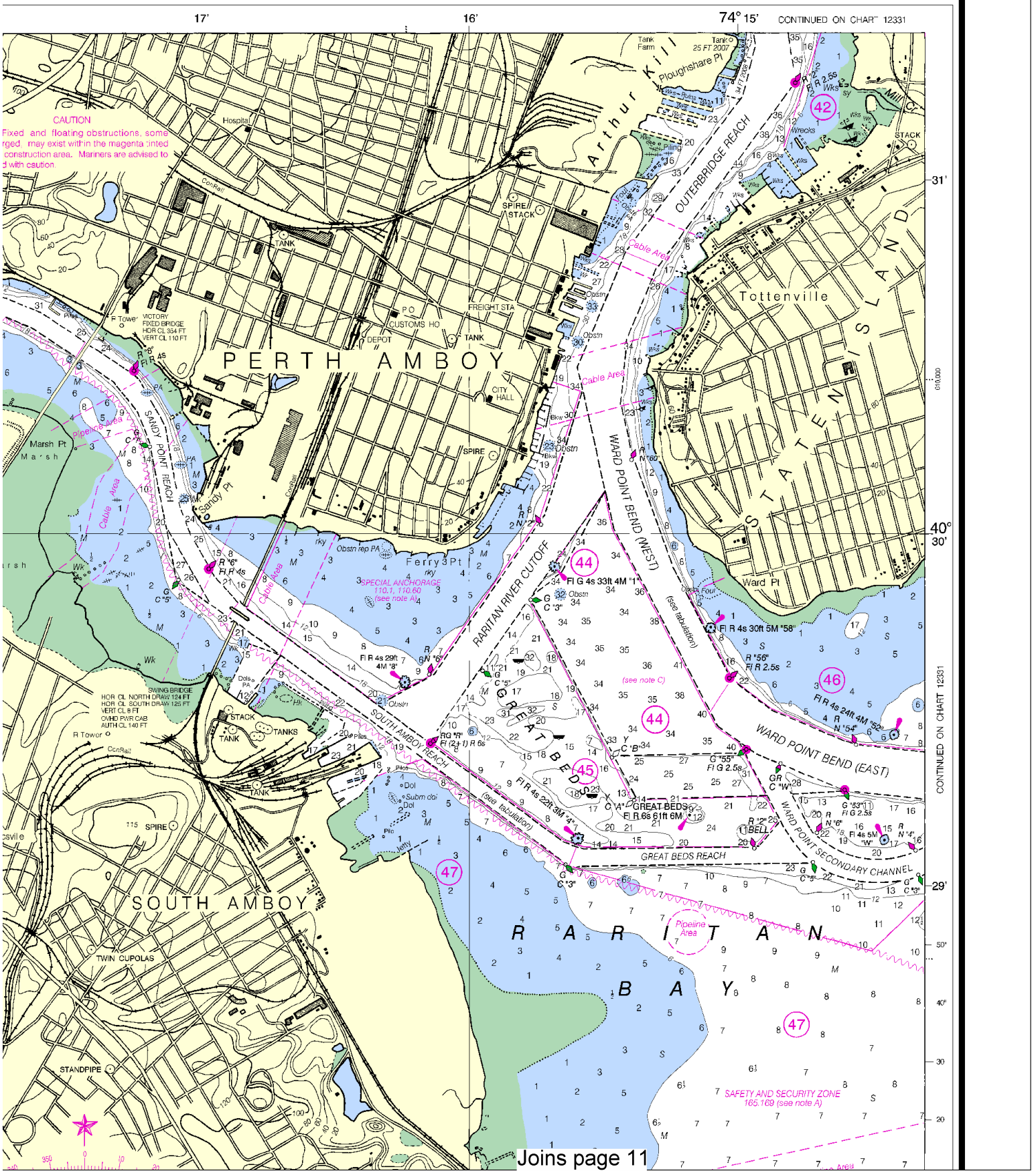
North

Printed at reduced scale. SCALE 1:20,000 See Note on page 5.

Nautical Miles: 0 1 1 ½

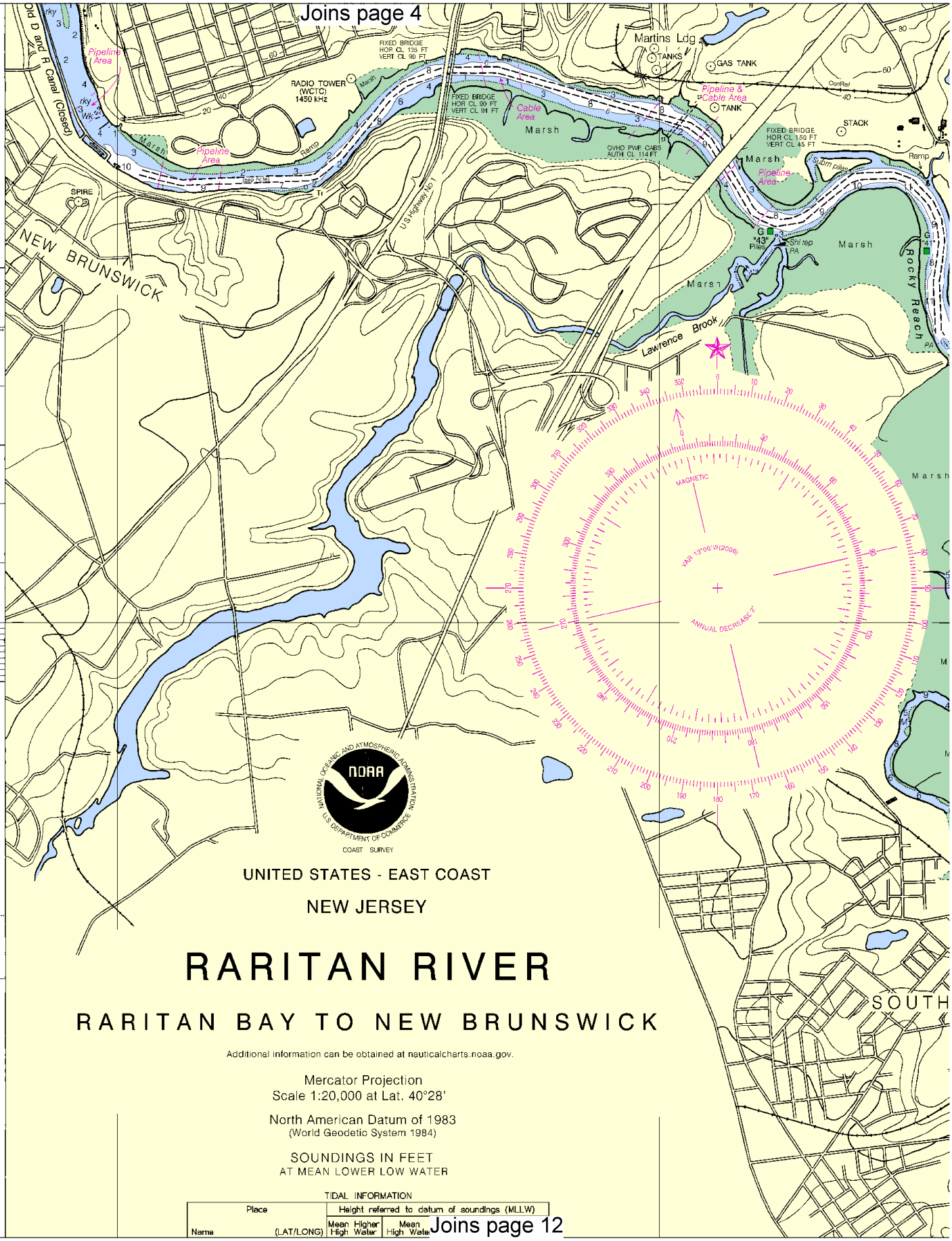
Yards: 500 0 500 1000 1500 2000 2500

SOUNDINGS IN FEET



This BookletChart has been updated with: Coast Guard Local Notice To Mariners: 0710 2/16/2010,
NGA Weekly Notice to Mariners: 0910 2/27/2010,
Canadian Coast Guard Notice to Mariners: 1209 12/25/2009.

Joins page 4



NOAA
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
U.S. DEPARTMENT OF COMMERCE
COAST SURVEY

UNITED STATES - EAST COAST

NEW JERSEY

RARITAN RIVER

RARITAN BAY TO NEW BRUNSWICK

Additional information can be obtained at nauticalcharts.noaa.gov.

Mercator Projection
Scale 1:20,000 at Lat. 40°28'

North American Datum of 1983
(World Geodetic System 1984)

SOUNDINGS IN FEET
AT MEAN LOWER LOW WATER

TIDAL INFORMATION

Place		Height referred to datum of soundings (MLLW)	
Name	(LAT/LONG)	Mean Higher High Water	Mean High Water

Joins page 12

North

Printed at reduced scale. ~~SCALE 1:20,000~~ See Note on page 5.

Nautical Miles
0 1 1½

Yards
500 0 500 1000 1500 2000 2500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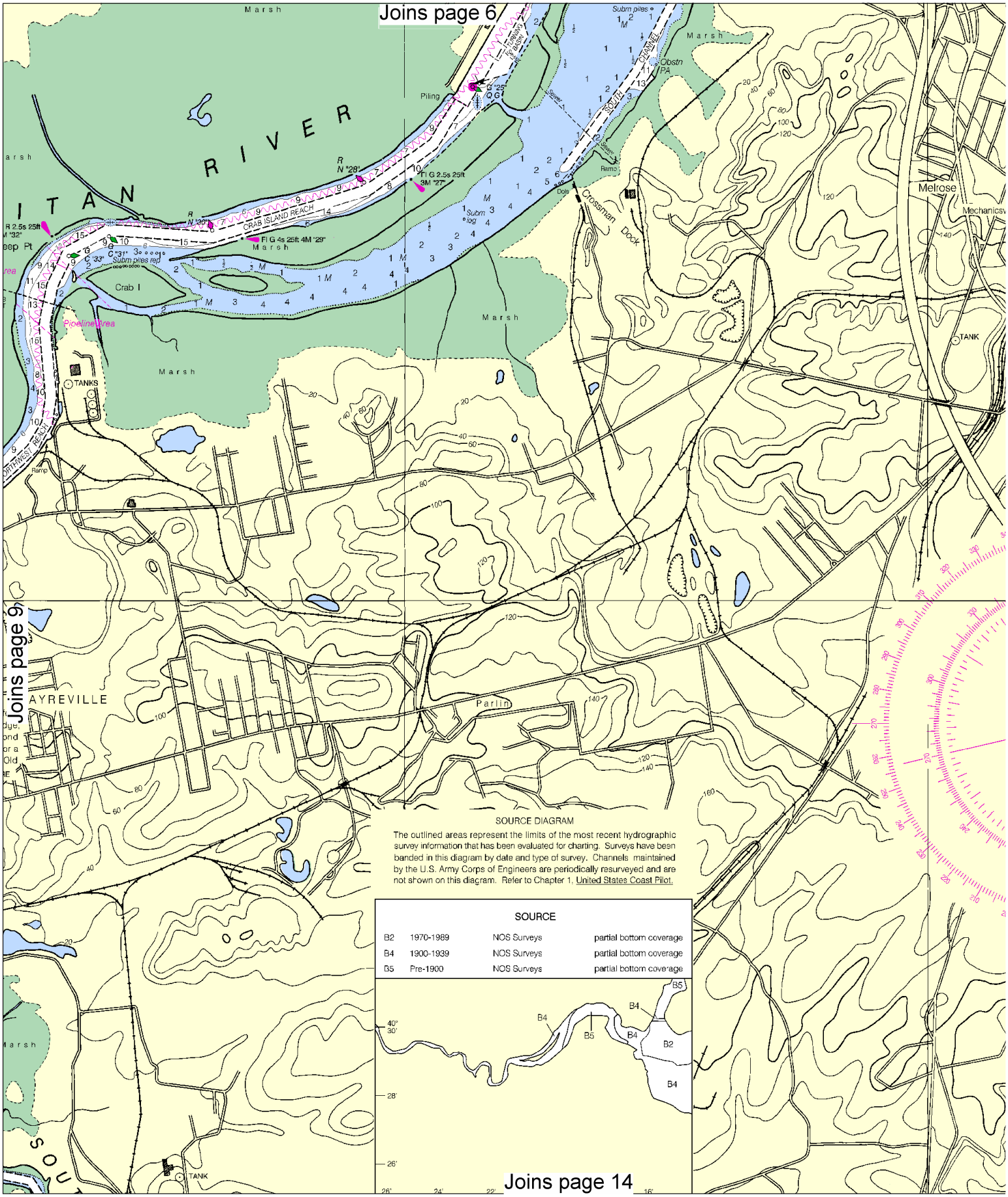
Joins page 13
RARITAN RIVER
RARITAN RIVER
The controlling depths at mean lower low water were 10 feet for a width of 40 to 100 feet from Washington Canal to New Brunswick.
Jul 1956
Being filled
CRAB ISLAND REACH
Deep Pt
Crab I
Long Reach
NORTHWEST REACH
TURNING BASIN
SOUTH RIVER
Washington Canal (see note)
Pipeline Area
Cable Area
Cable and Pipeline Area
OVHD PWR CAB AUTH CL 128 FT
TANKS
Stack
SPIRE
SAYREVILLE
Parlin
Crossman
DOME
Marsh
WASHINGTON CANAL AND SOUTH RIVER
The controlling depths at mean lower low water were 10 feet for a middle width of 50 feet from Raritan River to the highway bridge, thence a depth of 8 feet for a middle width of 75 feet to Pond Creek (40°26'38"N - 74°21'41"W), thence a depth of ½ foot for a width of 150 feet to 800 yards north of the highway bridge at Old Bridge.
Mar-Apr 1961
FIXED BRIDGE HOR CL 80 FT VERT CL 25 FT
SWING BRIDGE HOR CL 40 FT VERT CL 4 FT
Fl R 2.5s 25ft 3M "32"
Fl G 4s 25ft 4M "29"
Fl G 2.5s 25ft 3M "27"
Q G 25ft 3M "35"
SOURCE DIAGRAM
The outlined areas represent the limits of the most recent hy
survey information that has been evaluated for charting. Survey
banded in this diagram by date and type of survey. Channels
by the U.S. Army Corps of Engineers are periodically resurvey
not shown on this diagram. Refer to Chapter 1, United States
SOURCE
B2 1970-1989 NOS Surveys partial bo
B4 1900-1939 NOS Surveys partial bo
B5 Pre-1900 NOS Surveys partial bo

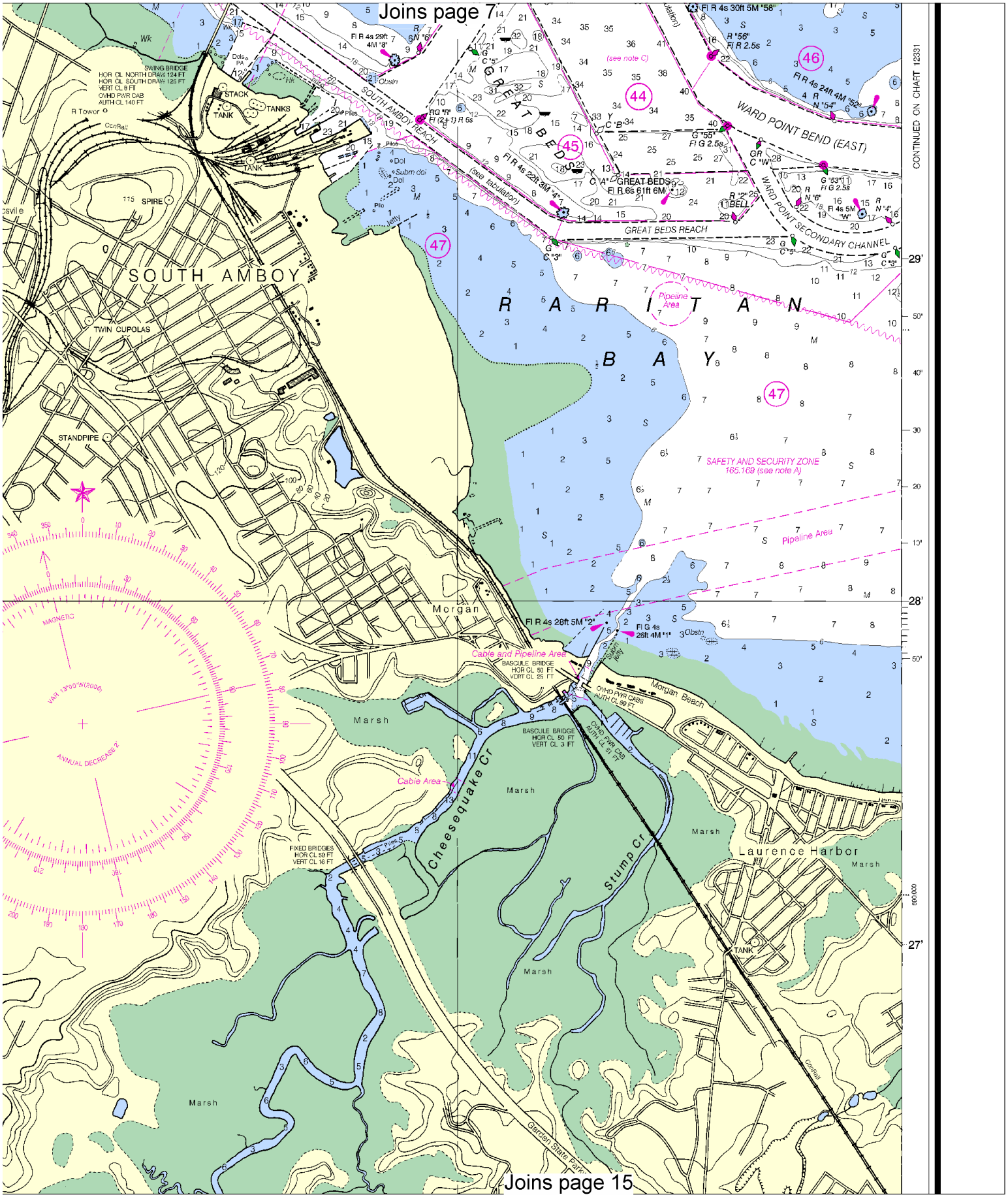


North

Printed at reduced scale. ~~SCALE 1:20,000~~ See Note on page 5.

Nautical Miles: 0 — 1 — 1 ½

Yards: 500 — 0 — 500 — 1000 — 1500 — 2000 — 2500


Joins page 7
SOUTH AMBOY
R A R I T A N
B A Y
GREAT BEDS
GREAT BEDS REACH
WARD POINT BEND (EAST)
WARD POINT SECONDARY CHANNEL
SOUTH AMBOY REACH
SAFETY AND SECURITY ZONE
165.169 (see note A)
Pipeline Area
Cable and Pipeline Area
Cable Area
Morgan
Morgan Beach
Marsh
Cheesequake Cr
Stump Cr
Laurence Harbor
Garden State Parkway
TWIN CUPOLAS
STANDPIPE
SPIRE
STACK
TANKS
TANK
R Tower
ConRail
SWING BRIDGE
HOR CL NORTH DRAW 124 FT
HOR CL SOUTH DRAW 125 FT
VERT CL 8 FT
OVHD PWR CAB
AUTH CL 140 FT
BASCULE BRIDGE
HOR CL 50 FT
VERT CL 25 FT
BASCULE BRIDGE
HOR CL 50 FT
VERT CL 3 FT
FIXED BRIDGES
HOR CL 59 FT
VERT CL 16 FT
OVHD PWR CABS
AUTH CL 69 FT
OVHD PWR CABS
AUTH CL 51 FT
Fl R 4s 30ft 5M "58"
Fl R 4s 24ft 4M "52"
Fl R 4s 22ft 3M "4"
Fl R 4s 28ft 5M "2"
Fl G 4s 26ft 4M "1"
GREAT BEDS
Fl R 6s 61ft 6M
BELL
CONTINUED ON CHART 12331
MAGNETIC
VAR 13°00'W(2006)
ANNUAL DECREASE 2'
Joins page 15

Joins page 8

UNITED STATES - EAST COAST

NEW JERSEY

RARITAN RIVER

RARITAN BAY TO NEW BRUNSWICK

Additional information can be obtained at nauticalcharts.noaa.gov.

Mercator Projection
Scale 1:20,000 at Lat. 40°28'

North American Datum of 1983
(World Geodetic System 1984)

SOUNDINGS IN FEET
AT MEAN LOWER LOW WATER

TIDAL INFORMATION

Place Name (LAT/LONG)	Height referred to datum of soundings (MLLW)			
	Mean Higher High Water	Mean High Water	Mean Low Water	Extreme Low Water
	feet	feet	feet	feet
South Amboy (40°29'N/74°17'W)	5.6	5.3	0.2	-4.0

(Dec 2005)

ABBREVIATIONS (For complete list of Symbols and Abbreviations, see Chart No. 1.)
Aids to Navigation (lights are white unless otherwise indicated):

AERO aeronautical
Al alternating
B black
Bn beacon
C can
DIA diaphone
F fixed
Fl flashing
G green
IQ interrupted quick
Iso isophase
LT HO lighthouse
M nautical mile
m minutes
MICRO TR microwave tower
Mkr marker
Mo morse code
N nun
OBSC obscured
Oc occulting
Or orange
Q quick
R red
Ra Ref radar reflector
R Bn radiobeacon
R TR radio tower
Rot rotating
s seconds
SEC sector
St M statute miles
VQ very quick
W white
WHIS whistle
Y yellow

Bottom characteristics:

Blds boulders
bk broken
Cy clay
Co coral
G gravel
Grs grass
gy gray
h hard
M mud
Oys oysters
Rk rock
S sand
so soft
Sh shells
sy sticky

Miscellaneous:

AUTH authorized
ED existence doubtful
Obstn obstruction
PA position approximate
PD position doubtful
Rep reported
Subm submerged

(21) Wreck, rock, obstruction, or shoal swept clear to the depth indicated.
(2) Rocks that cover and uncover, with heights in feet above datum of soundings.

HEIGHTS

Heights in feet above Mean High Water.

AUTHORITIES

Hydrography and topography by the National Ocean Service, Coast Survey, with additional data from the Corps of Engineers, Geological Survey, and U.S. Coast Guard.

SUPPLEMENTAL INFORMATION

Consult U.S. Coast Pilot 2 for important supplemental information.

SCALE 1:20,000

Nautical Miles: ⅛ 0 ½ 1 1½

Yards: 500 0 500 1000 1500 2000 2500

ANCHORAGE AREAS

110.155 (see note A)

Limits and assigned numbers of anchorage areas are s
in purple.

44 ANCHORAGE FOR DEEP-DRAFT VESSELS

42 45 46 47 GENERAL ANCHORAGES

PLANE COORDINATE GRID

(based on NAD 1927)

New Jersey State Grid is indicated by dotted ticks at 10,000 foot intervals.

CAUTION

Mariners are warned to stay clear of the protective riprap surrounding navigational light structures shown thus:

NOTE A

Navigation regulations are publi
Coast Pilot 2. Additions or revisions
ished in the Notice to Mariners. In
the regulations may be obtained at
mander, 1st Coast Guard District in
Office of the District Engineer, C
New York, NY.
Refer to charted regulation sec

WARNING

The prudent mariner will
any single aid to navigatio
floating aids. See U.S. Coas
and U.S. Coast Pilot for deta

26' 74°25' 24' 23'

40°25' 27' 26'

22nd Ed., Jan. / 06 ■ Corrected through NM Jan. 14/06
Corrected through LNM Jan. 3/06

12332

CAUTION

This chart has been corrected from the Notice to Mariners (NM) published weekly by the National Geospatial-Intelligence Agency and the Local Notice to Mariners (LNM) issued periodically by each U.S. Coast Guard district to the dates shown in the lower left hand corner.

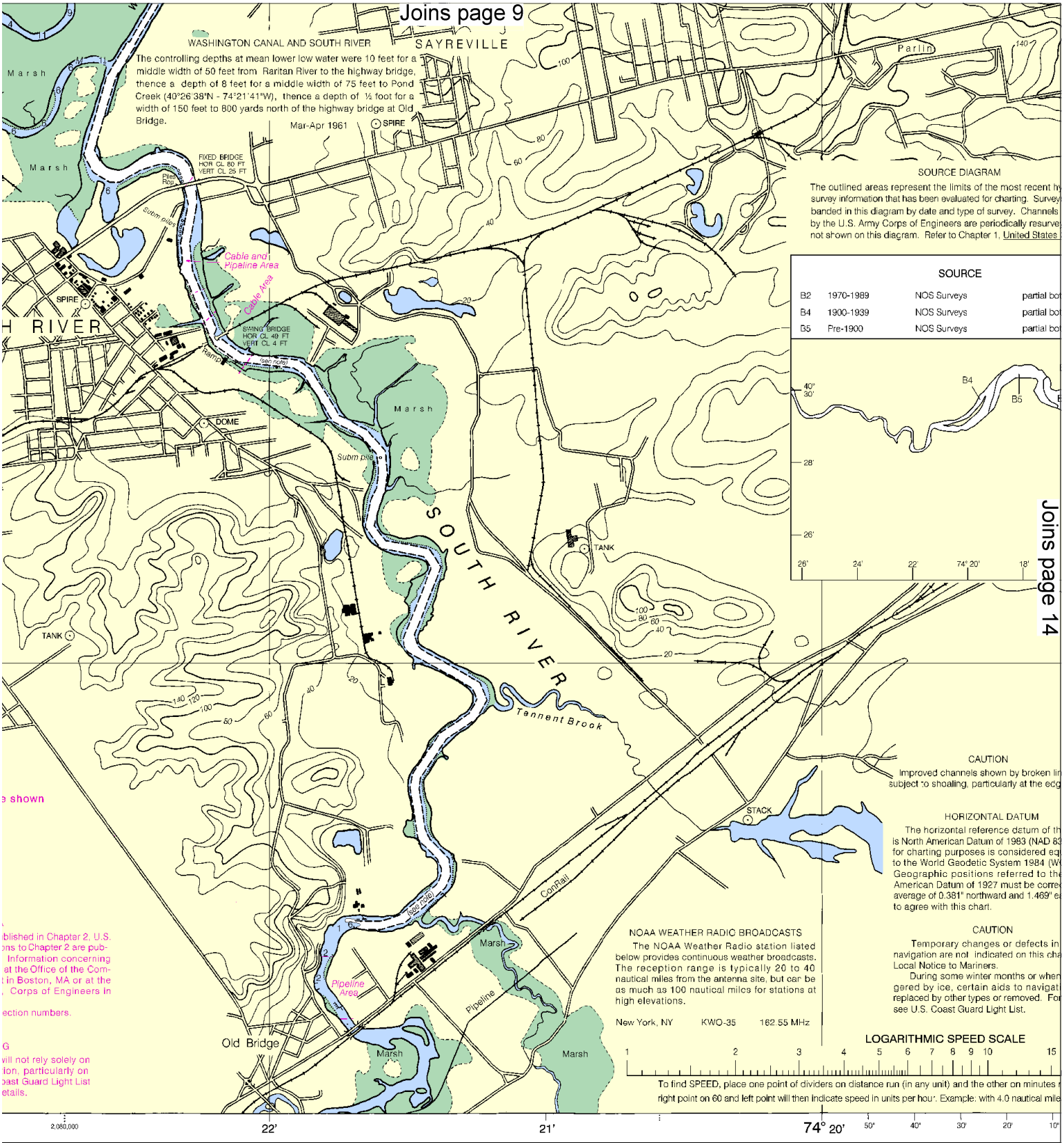
12

North

Printed at reduced scale. ~~SCALE 1:20,000~~ See Note on page 5.

Nautical Miles: 0 1 1½

Yards: 500 0 500 1000 1500 2000 2500



This nautical chart has been designed to promote safe navigation. The National Ocean Service encourages users to submit corrections, additions, or comments for improving this chart to the Chief, Marine Chart Division (N/CS2), National Ocean Service, NOAA, Silver Spring, Maryland 20910-3282.

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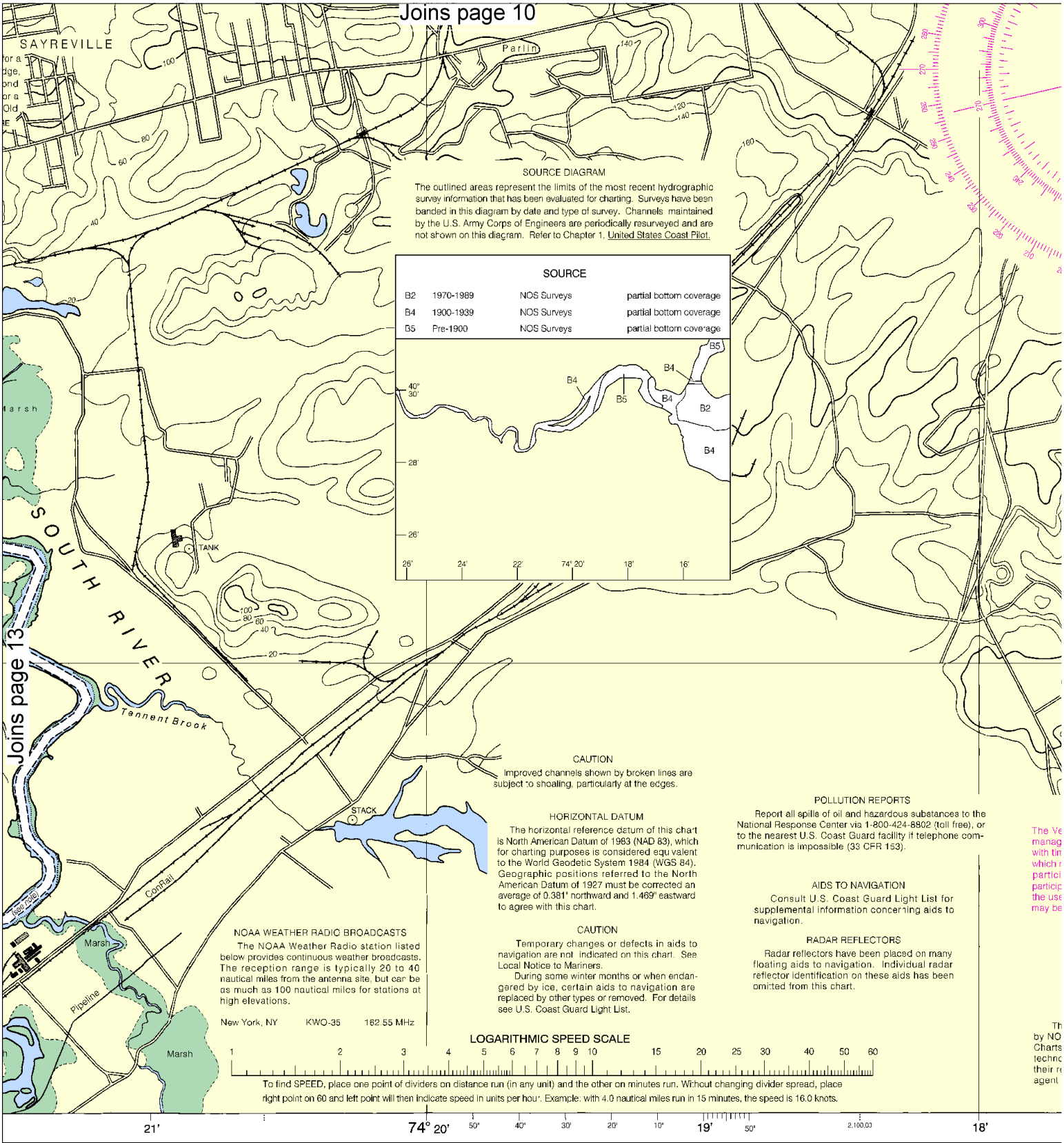
NATIONAL OCEAN SERVICE
COAST SURVEY

SO

Joins page 10



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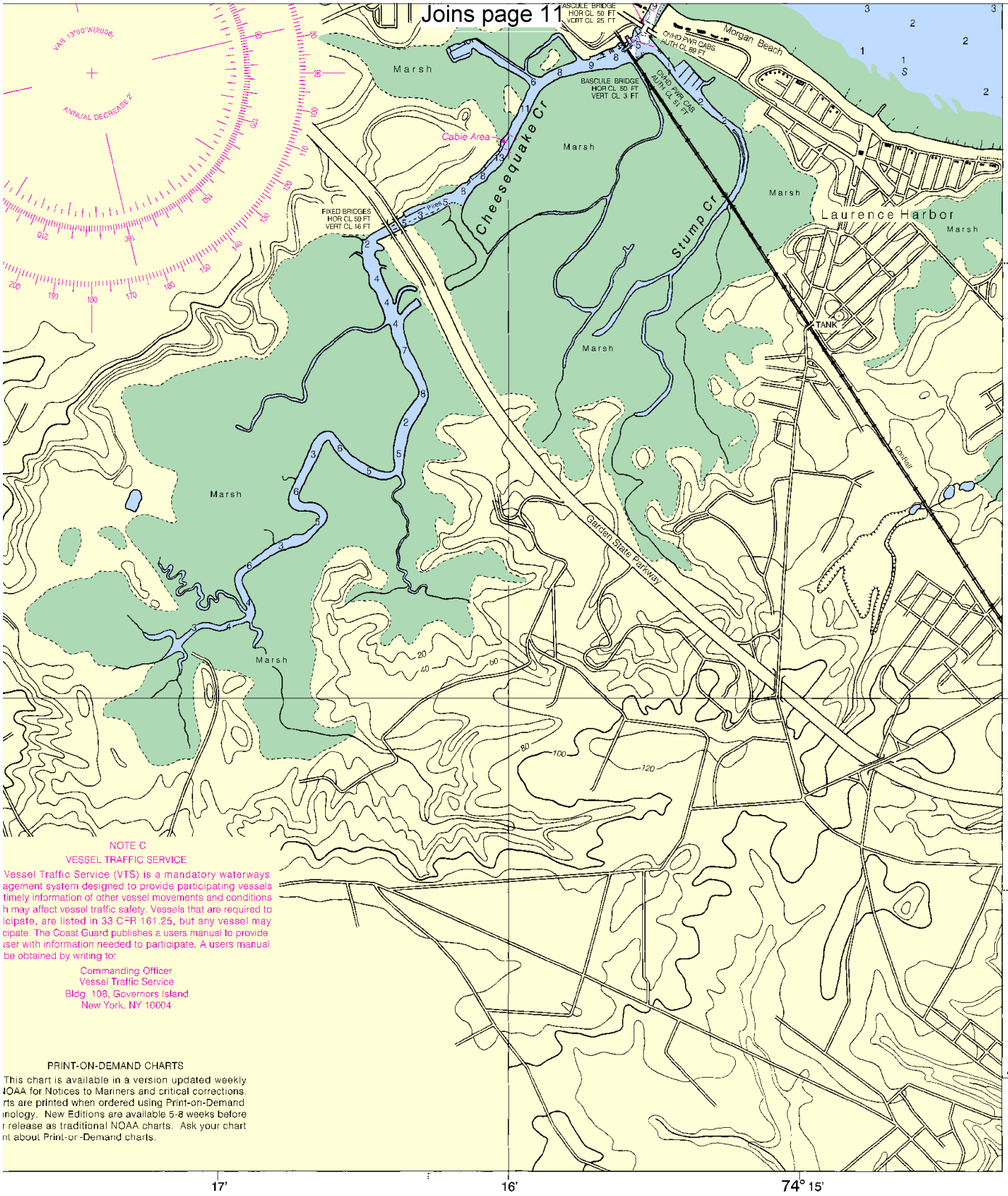
SOUNDINGS IN FEET

North

Printed at reduced scale. ~~SCALE 1:20,000~~ See Note on page 5.

Nautical Miles
0 1 1½

Yards
500 0 500 1000 1500 2000 2500



NOTE C

VESSEL TRAFFIC SERVICE

Vessel Traffic Service (VTS) is a mandatory waterways agement system designed to provide participating vessels timely information of other vessel movements and conditions h may affect vessel traffic safety. Vessels that are required to icipate, are listed in 33 CFR 161.25, but any vessel may cipate. The Coast Guard publishes a users manual to provide ıser with information needed to participate. A users manual be obtained by writing to:

Commanding Officer
Vessel Traffic Service
Bldg. 108, Governors Island
New York, NY 10004

PRINT-ON-DEMAND CHARTS

This chart is available in a version updated weekly NOAA for Notices to Mariners and critical corrections. rts are printed when ordered using Print-on-Demand nology. New Editions are available 5-8 weeks before r release as traditional NOAA charts. Ask your chart nt about Print-on-Demand charts.

FATHOMS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
FEET	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102
METERS	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31																

Raritan River

SOUNDINGS IN FEET - SCALE 1:20,000

12332

ED. NO. 22

NSN 7642014010373 NGA REFERENCE NO. 12XHA12332

EMERGENCY INFORMATION

VHF Marine Radio channels for use on the waterways:

Channel 6 – Inter-ship safety communications.
Channel 9 – Communications between boats and ship-to-coast.
Channel 13 – Navigation purposes at bridges, locks, and harbors.
Channel 16 – Emergency, distress and safety calls to Coast Guard and others, and to initiate calls to other vessels. Contact the other vessel, agree to another channel, and then switch.
Channel 22A – Calls between the Coast Guard and the public. Severe weather warnings, hazards to navigation and safety warnings are broadcast here.
Channels 68, 69, 71, 72 & 78A – Recreational boat channels.

Distress Call Procedures

1. Make sure radio is on.
2. Select Channel 16.
3. Press/Hold the transmit button.
4. Clearly say: "MAYDAY, MAYDAY, MAYDAY."
5. Also give: Vessel Name and/or Description; Position and/or Location; Nature of Emergency; Number of People on Board.
6. Release transmit button.
7. Wait for 10 seconds – If no response Repeat MAYDAY Call.

HAVE ALL PERSONS PUT ON LIFE JACKETS !!

Mobile Phones – Call 911 for water rescue.
Coast Guard Group Activities New York – 718-354-4120
Coast Guard Sandy Hook – 732-872-3428
New Jersey State Police – 973-578-8173
Coast Guard Atlantic Area Cmd – 757-398-6390

NOAA Weather Radio – 162.400 MHz, 162.425 MHz, 162.450 MHz, 162.475 MHz, 162.500 MHz, 162.525 MHz, 162.550 MHz.

Getting and Giving Help – Signal other boaters using visual distress signals (flares, orange flag, lights, arm signals); whistles; horns; and on your VHF radio. You are required by law to help boaters in trouble. Respond to distress signals, but do not endanger yourself.

NOAA, The Nation's Chartmaker

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Official NOAA Nautical Charts – NOAA surveys and charts the national and territorial waters of the U.S, including the Great Lakes. We produce over 1,000 traditional nautical charts covering 3.4 million square nautical miles. Carriage of official NOAA charts is mandatory on the commercial ships that carry our commerce. They are used on every Navy and Coast Guard ship, fishing and passenger vessels, and are widely carried by recreational boaters. NOAA charts are available from official chart agents listed at: www.NauticalCharts.NOAA.gov.

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Official Electronic Navigational Charts (NOAA ENCs®) – ENCs are digital files of each chart's features and their attributes for use in computer-based navigation systems. ENCs comply with standards of the International Hydrographic Organization. ENCs and their updates are available for free from NOAA at www.NauticalCharts.NOAA.gov.

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Official BookletCharts™ – BookletCharts™ are reduced scale NOAA charts organized in page-sized pieces. The "Home Edition" can be downloaded from NOAA for free and printed. The Internet address is www.NauticalCharts.gov/bookletcharts.

Official PocketCharts™ – PocketCharts™ are for beginning recreational boaters to use for planning and locating, but not for real navigation. Measuring a convenient 13" by 19", they have a 1/3 scale chart on one side, and safety, boating, and educational information on the reverse. They can be purchased at retail outlets and on the Internet.

Official U.S. Coast Pilot® – The Coast Pilots are 9 text volumes containing information important to navigators such as channel descriptions, port facilities, anchorages, bridge and cable clearances, currents, prominent features, weather, dangers, and Federal Regulations. They supplement the charts and are available from NOAA chart agents or may be downloaded for free at www.NauticalCharts.NOAA.gov.

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Internet Sites: www.NauticalCharts.NOAA.gov, www.NOAA.gov, www.TidesandCurrents.NOAA.gov, www.NOS.NOAA.gov.